



an EnerSys company

LPR12-30, LPR12-60, LPR48-30, LPR48-60 **±190Vdc to 12Vdc or 48Vdc Line Power Remote Supply Unit**



- ±190V to 12V or 48V DC-DC Downconverter for remote/line powering single family, multi-dwelling unit (FTTH), premises (FTTP) or muni WiFi networks
- High efficiency 89% for reduced OPEX costs and carbon footprint
- Utilize existing copper pair networks for distributing power
- Reduce truck rolls and operating expenses with no batteries at remote sites
- Compact, self-enclosed design ideal for mounting on the side of houses or aerial strands
- Built in power holdup ensures remote equipment rides through line surges

The LPR is a family of DC-DC Down converters that transforms ±190Vdc into 12Vdc or 48Vdc for powering the Optical Network Terminal (ONT) in a FTTH network or access points in a muni WiFi deployment.

It is a line-powered system that uses the copper telephone network and eliminates the need for commercial power and back-up batteries. The unit is packaged in an environmentally hardened enclosure that is designed to be installed outdoors on the side of the house, multi-dwelling unit or building, or aerial strands.

The unit can provide 30 or 60W of DC power via a standard twisted pair copper wire input. It is packaged in a telecom grade enclosure with a tamper-proof seal or small lock.

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LPR12-30 P/N: 0120040-001, LPR48-30 P/N: 0120042-001, LPR12-60 P/N: 0120041-001, LPR48-60 P/N: 0120043-001

| Electrical | |
|--------------------------|--|
| Input Voltage: | 200 to 380Vdc (± 100 to ± 190 Vdc) |
| Number of Inputs: | 1 Channel |
| Output Voltage: | LPR 12-30: 12.0 - 12.5Vdc LPR 12-60: 12 - 14Vdc LPR 48-30: 47 - 50Vdc LPR 48-60: 54 - 56Vdc |
| Power: | 30W (LPR 12-30/48-30) 60W (LPR 12-60/48-60) |
| Efficiency: | >86% (12V) - 89% (48V) |
| Performance / Features | |
| LED: | Presence of network line power providing output voltage |
| Connections: | 8 pin molex connectors |
| Wall Mounting: | Three #8 x 1½" pan head screws with RTV sealing compound |

| Mechanical | |
|---------------------|--|
| Dimensions: | mm: 202H x 138W x 52D inches: 7.9H x 5.4W x 2.0D |
| Weight: | 0.78kg (1.7lbs) |
| Environmental | |
| Temperature: | -40 to 65°C (-40 to 149°F) |
| Humidity: | 5 to 95% RH non-condensing |
| Agency Compliance | |
| Enclosure: | NEMA 3R |
| Safety: | <ul style="list-style-type: none"> UL 60950-1 CSA/UL 60950-21 (RFT-V circuit compatible) CSA/UL 60950-22 UL50E |
| Emissions: | <ul style="list-style-type: none"> CFR47 (FCC) Part 15 Class A EN 300 386 V1.6.1 |

